

Datasheet for ABIN7544077
NARS Protein (AA 1-548) (His tag)



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Overview

Quantity:	1 mg
Target:	NARS
Protein Characteristics:	AA 1-548
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NARS protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NARS1 Protein expressed in mammalian cells.
Sequence:	MVLAELYVSD REGSDATGDG TKEKPFKTGL KALMTVGKEP FPTIYVDSQK ENERWNVISK SQLKNIKKMW HREQMKSESR EKKEAEDSLR REKNLEEAKK ITIKNDPSLP EPKCVKIGAL EGYRGQRVKV FGWVHRLRRQ GKNLMFLVLR DGTGYLQCVL ADELQCQYNG VLLSTESSVA VYGMLNLTPK GKQAPGGHEL SCDFWELIGL APAGGADNLI NEESDVVDVQL NNRHMMIRGE NMSKILKARS MVTRCFRDHF FDRGYEVTP PTLVQTQVEG GATLFKLDYF GEEAFLTQSS QLYLETCLPA LGDVFCIAQS YRAEQSRTRR HLAEYTHVEA ECPFLTFFDDL LNRLEDLVCD VVDRILKSPA GSIVHELNPN FQPPKRPFKR MNYSDAIVWL KEHDVKKEDG TFYEFGEDIP EAPERLMTDT INEPILLCRF PVEIKSFYMQ RCPEDSRLTE SVDVLMPNVG EIVGGSMRIF DSEEILAGYK REGIDPTYYPY WYTDQRKYGT CPHGGYGLGL ERFLTWILNR YHIRDVCLYP RFVQRCTP Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Product Details

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: NARS

Alternative Name: NARS1 ([NARS Products](#))

Background: Asparagine-tRNA ligase, cytoplasmic (EC 6.1.1.22) (Asparaginyl-tRNA synthetase) (AsnRS) (Asparaginyl-tRNA synthetase 1),FUNCTION: Catalyzes the attachment of asparagine to tRNA(Asn) in a two-step reaction: asparagine is first activated by ATP to form Asn-AMP and then transferred to the acceptor end of tRNA(Asn) (PubMed:9421509, PubMed:32738225, PubMed:32788587). In addition to its essential role in protein synthesis, acts as a signaling molecule that induced migration of CCR3-expressing cells (PubMed:30171954, PubMed:12235211). Has an essential role in the development of the cerebral cortex, being required for proper proliferation of radial glial cells (PubMed:32788587). {ECO:0000269|PubMed:12235211, ECO:0000269|PubMed:30171954, ECO:0000269|PubMed:32738225, ECO:0000269|PubMed:32788587, ECO:0000269|PubMed:9421509}.

Target Details

Molecular Weight: 62.9 kDa

UniProt: [O43776](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months